

Notice of Allowability

Application No.

10/723,024

Applicant(s)

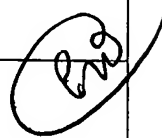
BASSETT ET AL.

Examiner

Art Unit

Dameon E. Levi

2841



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment 04/28/2005, Interview 07/12/2005.
2. ☒ The allowed claim(s) is/are 1,2,4-12,14-18,21-28,30,31 and 34-36, Renumbered 1-29.
3. ☒ The drawings filed on 26 November 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Tait R. Swanson(Reg No. 48,226) on 07/12/2005.

The application has been amended as follows:

REPLACE CLAIM 1 WITH:

1. (Currently amended) An expansion card support comprising:
a mounting base comprising a chassis mounting latch configured to secure the mounting base removably to one side of a chassis; and a rotatable finger coupled to the mounting base via a latch, wherein the rotatable finger comprises a support end configured to engage and bias an expansion card after installation within a chassis without connection to a cover, wherein the mounting base comprises a chassis mounting latch.

CANCEL CLAIM 3:

REPLACE CLAIM 11 WITH:

11. (Currently amended) A computer comprising:
a chassis;
a plurality of card slots; and

Art Unit: 2841

a card support mechanism, comprising:
a tool-free chassis mount coupled in a cantilevered configuration
relative to a portion of the chassis adjacent the plurality of card
slots; a plurality of tool-free arm mounts coupled to the tool-free chassis mount;
wherein the tool-free chassis mount comprises a snap-fit mount coupled to a
mating snap-fit mount disposed on the chassis; and
at least one rotatable arm mounted to a desired one of the plurality of
tool-free arm mounts, wherein the rotatable arm comprises a card engagement
end positioned over a desired one of the plurality of card slots.

CANCEL CLAIM 13:

REPLACE CLAIM 18 WITH:

18. (Currently amended) A card support for a computer, the card support
comprising:
means for [configurably] rotatably biasing a card into a card slot;
means for laterally supporting a peripheral portion of the card; [and]
means for cantilevering to a chassis the means for [configurably] rotatably
biasing ;and means for tool-free chassis mounting both the means for rotatably
biasing and the means for cantilevering to the chassis.

CANCEL CLAIM 19:

CANCEL CLAIM 20:

REPLACE CLAIM 28 WITH:

Art Unit: 2841

28. (Currently amended) A system, comprising:

a card support mechanism, comprising:

a chassis mountable structure [adapted for] having a tool-free, cantilevered

chassis mount [ing to a chassis]; and

a springy arm toollessly and rotatably coupled to the chassis mountable structure

and engageable against an electronics card disposed in the chassis, wherein the

springy arm comprises an engagement end having at least one groove adapted

to engage an outer edge of the electronics card.

CANCEL CLAIM 29:

REPLACE CLAIM 31 WITH:

31. (currently amended) A system, comprising:

a chassis comprising a first side and a second side adjacent the first side;

a board mounted to the first side and having a card slot;

an expansion card mounted to the card slot; and

a card support arm rotatably coupled via a first latch to a mounting base that is

cantilevered via a second latch to the second side, wherein the card support arm is

biased against a portion of the expansion card opposite from the board.

CANCEL CLAIM 32:

REPLACE CLAIM 35 WITH:

Art Unit: 2841

35. (currently amended) The system set forth in claim 34, wherein the plurality of receptacles each comprise a [tool-free mounting] latching mechanism for a plurality of card support arms.

CANCEL CLAIM 37:

Allowable Subject Matter

Claims 1,2,4-12,14-18,21-28,30,31, and 34-36 are allowable.

The following is an examiner's statement of reasons for allowance:

In response to remarks and claim amendments made in Applicant's Amendment submitted 04/28/2005, as well as, an Interview between the Examiner and Applicant's Representative on 07/12/2005, the Interview Summary attached herewith, the Office indicates that the claims, as amended, are allowable.

Regarding claim 1, patentability resides, at least in part, with the features of a rotatable finger coupled to the mounting base via a latch, wherein the rotatable finger comprises a support end configured to engage and bias an expansion card after installation within a chassis without connection to a cover, wherein the mounting base comprises a chassis mounting latch.

Regarding claim 11, patentability resides, at least in part, with the features of a tool-free chassis mount coupled in a cantilevered configuration relative to a portion of the chassis adjacent the plurality of card

Art Unit: 2841

slots; a plurality of tool-free arm mounts coupled to the tool-free chassis mount; wherein the tool-free chassis mount comprises a snap-fit mount coupled to a mating snap-fit mount disposed on the chassis

Regarding claim 18, patentability resides, at least in part, with the combination of features reciting means for rotatably biasing a card into a card slot; means for laterally supporting a peripheral portion of the card; means for cantilevering to a chassis the means for rotatably biasing ;and means for tool-free chassis mounting both the means for rotatably biasing and the means for cantilevering to the chassis.

Regarding claim 22, patentability resides, at least in part, with the combination of features reciting a chassis comprising a first tool-free mounting mechanism; and a mounting base comprising: a second tool-free mounting mechanism coupled to the first tool-free mounting mechanism, wherein the mounting base spans less than the full distance between first and second opposite sides of the chassis; and an arm coupled to the chassis mounting base, wherein the arm comprises a card retention end springably engageable against a peripheral portion of the at least one electronics cards the card retention end positioned above the card slot.

Regarding claim 28, patentability resides, at least in part, with the combination of features reciting a card support mechanism, comprising:
a chassis mountable structure having a tool-free, cantilevered chassis mount;
and a springy arm toollessly and rotatably coupled to the chassis mountable

structure and engageable against an electronics card disposed in the chassis, wherein the springy arm comprises an engagement end having at least one groove adapted to engage an outer edge of the electronics card.

Regarding claim 31, patentability resides, at least in part, with the combination of features reciting a card support arm rotatably coupled via a first latch to a mounting base that is cantilevered via a second latch to the second side, wherein the card support arm is biased against a portion of the expansion card opposite from the board.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E. Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00).

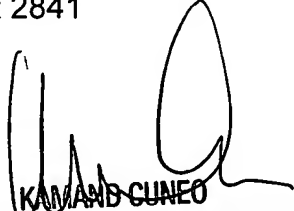
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2841

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DEL

Dameon E Levi
Examiner
Art Unit 2841



KAMAND CUNEO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800